CATAPAN

Global Network Security & Protection

Secure Network Solutions providing end-to-end IP network protection to ensure the integrity, confidentiality and availability of your data, assets and infrastructure.

L3 TRL Technology
one step ahead

One step ahead of the cyber threat

L3 TRL has over a decade of experience in developing and supporting sophisticated IP encryption devices, helping to defend against the cyber threat. With award-winning products, L3 TRL's CATAPAN developments remain at the forefront of many sensitive and highly classified government networks.

We have enjoyed long-standing relationships with UK Government agencies and commercial service providers through supporting their wide ranging network architectures, providing real-time effective assistance in the safety critical area of Cyber Defence.

Securing your communications

In today's world of fast paced business, rapid decision making and "on demand" access to information, organisations now depend upon technology to communicate.

This growing network has revolutionised the operation of governments, enterprises and businesses, allowing seamless transfer of the most sensitive data. However, commercial advances in information technology are in danger of outpacing the security needed to protect our data to the same level.

In the most important battleground of the information age, unsecured public networks are frequently attacked by anyone from state sponsored terrorists to political hacktivists.

Organisations require an appropriate response which anticipates threats and adapts appropriately, without inhibiting the availability of this vital data.

Data Encryption, the process of encoding messages or information in such a way that only authorised parties can read it, is still the single most reliable method of securing communications.

L3 TRL has a detailed knowledge of, and expertise in, the design, manufacture and support of sophisticated encryption solutions designed to protect the most sensitive of information.

Our range of CATAPAN Global encryption solutions provide end-to-end protection of traffic across public and private IP Networks, ensuring the integrity, confidentiality and availability of your data, assets and infrastructure both now and in the future.

Network Security & Protection

Protecting your data, assets and infrastructure

From TOP SECRET intelligence to intellectual property, coupled with the need to be more joined up with governments worldwide, the requirement to share information quickly, securely and without compromising its integrity, is essential.

CATAPAN Global delivers security across public and private networks, from the strategic or enterprise down to the highly tactical and mobile, integrating sophisticated encryption technologies to deliver network security solutions which support your own security needs.

Operating with the same high security design criteria as their UK counterparts, CATAPAN Global solutions provide hardware based encryption required to secure data in transit, whilst the Key Management System (KMS) provides customers with total control over the design, generation and management of the cryptographic keys for the CATAPAN devices.

HM Government

Safeguard your data, your networks and your reputation by staying one step ahead of the cyber threat

Key Management

The CATAPAN Global Key Management System (KMS) is a unique off-the-shelf solution for full sovereign key generation and management.

The KMS allows customers to control their own cryptographic keys for the CATAPAN Global devices. Full control of this process guarantees the sovereign capability of the CATAPAN device, allowing each country to operate their own secure networks with no reliance on third party organisations.

Each Key Encryption Key (KEK) or Pre-Shared Key (PSK) produced by the KMS is unique and is verified by a Trust Anchor that is specific to the customer. This approach assures, to the highest level, the integrity and authentication of the key material.

THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION

Cross Government Communications

Strengthening and building cross government relationships is an essential part of our economic growth, expanding opportunities and creating a global communications network where intelligence and assets can be shared seamlessly.

The sharing of this intelligence means that cross-government communications are increasingly at risk of interception, posing a serious threat for their national security.

CATAPAN Global uses identical architecture to the devices used by UK Government agencies to protect their confidential information. Deploying CATAPAN Global solutions enables communications to be carried out with trusted parties over untrusted networks, so governments all over the world can communicate without the information being compromised.

Intellectual Property Theft

Our ideas, thoughts, methods and technologies - our intellectual property - are the foundation of innovation. They provide us with competitive advantage, drive job creation and help create a thriving local and global economy. There are serious consequences if our sources of innovation cannot be protected, from depriving governments of much needed tax revenue to creating unfair competition and even posing a danger to public health and safety.

The theft of intellectual property through cyber attacks is growing as we become more reliant on IP networks to communicate, and businesses must be able to defend against these threats.

CATAPAN Global provides end-to-end protection of data across IP networks, ensuring that when you send sensitive information, only the intended recipient will be able to access and read it.

Public Network Protection

As organisations have become more IP-connected, concerns over potential vulnerabilities have increased. With more sensitive data being transmitted through networks and more value being attributed to these transactions, the potential for irreparable financial loss and damage to company reputation through cyber attacks increases every year.

CATAPAN Global solutions place security at the core of everything we do. Our hardware based platforms virtually eliminate the attack surface area, creating a robust encryption solution without the performance issues and vulnerabilities of software based equivalents.

Embedding CATAPAN solutions into your existing network provides the highest level of information assurance. This allows businesses to send and receive the most sensitive of data over local IP networks whilst guaranteeing it will never be compromised, giving peace of mind to you and your customers.

Developing national capacity

Defence capability building is vitally important, now more than ever. A country's ability to combat threats and defeat cyber terrorism is integral to establishing long term security strategies.

L3 TRL work with local industry, government organisations, business partners and independent institutions to help establish a national capability which aligns with network security and protection thinking, providing future-proof technology without disruption to network performance.

CATAPAN Global encryption solutions create a sophisticated, secure communications infrastructure to enhance national and international cyber defence strategies.

L3 TRL's technical expertise benefits emerging and industrialised nations, strengthening and maintaining national defence capabilities and ensuring the strongest defence against the growing cyber threat.

CATAPAN Global bespoke solutions

Countries and organisations everywhere face challenges within the information assurance domain, based on a specific set of requirements. It may be that, in order to meet these challenges, a bespoke or customised solution is needed.

L3 TRL's bespoke solution services help define, design, implement and support the COTS-based solutions that underpin our customers' individual requirements.

With the benefit of decades of industry experience, L3 TRL will ensure that all CATAPAN Global solutions meet your organisational needs and are implemented in a way that fits with your unique operational environment.

Core to L3 TRL's bespoke solutions is our consultancy service. Whether the requirement is for the design of a new network or the migration from legacy equipment to CATAPAN Global solutions, we can offer consultancy services that utilise the full capability of our solutions.

Our wealth of technological knowledge and expertise means we are able to offer a unique design service that considers future technological developments, providing a long-term, economical solution and optimum network performance with the highest levels of assurance.
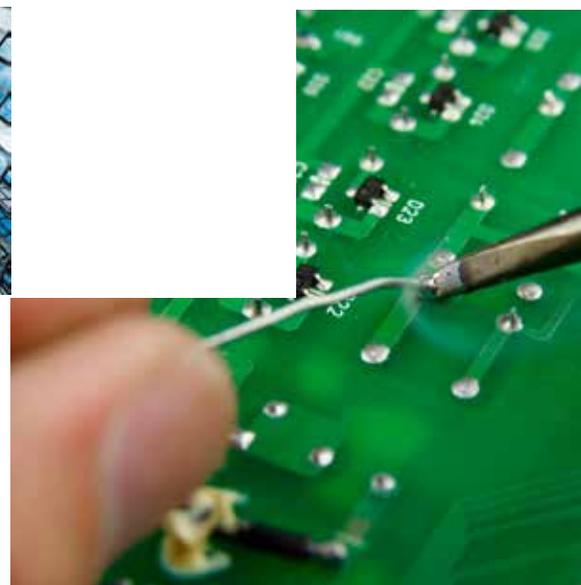
Your partner of choice

As the landscape of information security shifts and threats from specific countries emerge, staying one step ahead of the threat requires constant attention.

L3 TRL is able to leverage over 30 years of experience in the field of high-grade encryption to ensure these threats are identified. Working in partnership with customers, we can define a roadmap for the future which not only identifies current and emerging threats, but also anticipates future threats and defines solutions ahead of time.

We work closely with governing bodies and adhere to the latest defined standards in order to promote best practices and stay up-to-date with regulations, new vulnerabilities and risks. The sharing of knowledge enables our customers to gain a strategic and tactical advantage in a rapidly changing market.

L3 TRL is a provider of cyber security solutions to HMG and is part of the UK Cyber Growth Partnership, a group composed of representatives from UK industry, government and academia.

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HM Government

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